

Practice Questions

Unit 2

- What is break and continue statement?
- Differentiate between else if and switch statements with examples.
- What is the Syntax of If statement and for loop?
- Draw the flowchart of Break and Continue statement.
- Explain about integrated development environment (IDE).
- Discuss the types of C programming arrays.
- Discuss the three types of loops in C programming.
- Which loop is faster in C Language: for, while or Do While? Discuss how 'for loop' works in C programming?
- Draw and explain block diagram of switch case statement in 'C' programming.
- Give the points of similarity and differences between a while loop and a do while loop. Also mention the syntax for both loops.
- Differentiate between Two Way Selection and Multiway Selection with proper syntax, flowchart and suitable example.
- With an example sketch, explain multidimensional array.

Unit 3

- Write a program to turn LED on for 1sec and off for 3sec.
- Elaborate the following functions: (i) analogRead() and (ii) delayMicroseconds()
- Discuss the features of Keil Compiler.
- What is serial communication? Discuss the different transmission modes in serial communication.
- What is a sensor? Discuss the different types of sensors and their applications.
- Write a program to make switch operated LED light and draw the proteus diagram for the same.
- Discuss the basic commands and Functions for Arduino programming with proper syntax.
- Develop the coding for arduino interfacing with LCD 2x16.